



DOCKET NO: 240092US23

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF: :  
Franklin D. LOMAX, JR., et al. : GROUP: 1724  
SERIAL NO: 10/615,244 : DATE ALLOWED: March 14, 2005  
FILED: July 9, 2003 : EXAMINER: SPITZER, R.  
FOR: MODULAR PRESSURE SWING :  
ADSORPTION PROCESS AND  
APPARATUS

LETTER

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Submitted herewith is an International Search Report for the Examiner's reference.

The reference(s) cited therein have been previously cited by the U.S. Patent and Trademark Office.

Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

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Attorney of Record

Christopher D. Ward  
Registration No. 41,367

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(OSMMN 10/01)

JDM:CDW:brf

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## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 240092WO <u>23</u>	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US04/11258	International filing date (day/month/year) 26 April 2004 (26.04.2004)	(Earliest) Priority Date (day/month/year) 09 July 2003 (09.07.2003)
Applicant H2GEN INNOVATIONS, INC.		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 2 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the Report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.
2. ☐ Certain claims were found unsearchable (See Box No. II)
3. ☐ Unity of invention is lacking (See Box No. III)
4. With regard to the title,
- ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established by this Authority to read as follows:

## 5. With regard to the abstract,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

## 6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. 1



as suggested by the applicant.



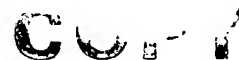
as selected by this Authority, because the applicant failed to suggest a figure.



as selected by this Authority, because this figure better characterizes the invention.

- b. ☐

none of the figures is to be published with the abstract.



# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/11258

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC(7) : B01D 53/02, 59/26; US CL : 95/96-106; 96/121, 122, 130, 149, 133-137, 142-144, 153, 154 According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) U.S. : 95/96-106; 96/121, 122, 130, 149, 133-137, 142-144, 153, 154 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3,006,438 A (YARMETT) 31 October 1961	1-25
A	US 3,323,292 A (BROWN) 06 June 1967	1-25
A	US 4,062,777 A (TSURUTA et al.) 13 December 1977	1-25
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 01 April 2005 (01.04.2005)		Date of mailing of the international search report 21 APR 2005
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Authorized officer RICHARD CRISPINO Telephone No. 571 272-1700

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*[Signature]*

OSMM&N File No. 240092US23

Dept.: E/M

By: JDM/CDW/brf

Serial No. 10/615,244

In the matter of the Application of: Franklin D. LOMAX, JR., et al.

For: MODULAR PRESSURE SWING ADSORPTION PROCESS AND APPARATUS

Due Date: MAY 6, 2005

The following has been received in the U.S. Patent Office on the date stamped hereon:

■ Cover Sheet

■ Letter

■ International Search Report

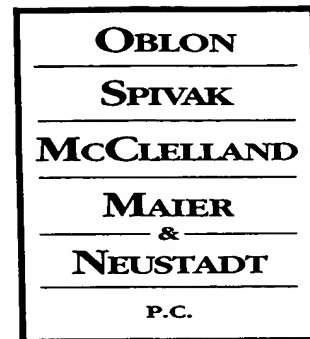


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Docket No.: 240092US23



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RE: Application Serial No.: 10/615,244  
Applicants: Franklin D. LOMAX, JR., et al.  
Filing Date: July 9, 2003  
For: MODULAR PRESSURE SWING ADSORPTION  
PROCESS AND APPARATUS  
Date Allowed: March 14, 2005  
Group Art Unit: 1724  
Examiner: SPITZER, R.

SIR:

Attached hereto for filing are the following papers:

**LETTER  
INTERNATIONAL SEARCH REPORT**

Our check in the amount of \$0.00 is attached covering any required fees. In the event any variance exists between the amount enclosed and the Patent Office charges for filing the above-noted documents, including any fees required under 37 C.F.R. 1.136 for any necessary Extension of Time to make the filing of the attached documents timely. Further, if these papers are not considered timely filed, then a petition is hereby made under 37 C.F.R. 1.136 for the necessary extension of time.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

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